

Date: Thu, 18 Aug 94 04:30:25 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #288  
To: Ham-Equip

Ham-Equip Digest                      Thu, 18 Aug 94                      Volume 94 : Issue    288

Today's Topics:

[Q] Yaesu FT-530  
Capacity of Alkaline batteries? (2 msgs)  
HTX-202 Battery Packs  
Icom Quick Charger  
INFO ON SONY ICF-SW 100S  
JRC NRD 525 Receiver Advice (2 msgs)  
Midland ?  
ROHN HBX32 Tower FOR SALE  
TM742A questions  
Tucker scopes  
Where can I find RG-302 & RG-303 ?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 16 Aug 1994 06:52:41 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!  
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!unixg.ubc.ca!prodigy.bc.ca!  
dynamic1.prodigy.bc.ca.166.75.192.@ihnp4.ucsd.edu  
Subject: [Q] Yaesu FT-530  
To: ham-equip@ucsd.edu

I've just bought a Yaesu FT-530 and, since it's my first radio, I have a  
couple of questions that I'm hoping someone can answer for me:

1. Since I had the mods done I can transmit in frequencies I'm not  
supposed to transmit in (e.g. Police frequencies). Is there any way I can

turn transmit off on those frequencies alone? I've tried to do this by storing the PTT disable in the memory along with the frequency but it does not seem to be a setting that is set separately for each memory.

2. I'm concerned about how quickly the battery runs down. I got a little slip with the unit that says that the voltage display is .2 to .8 volts LOWER than the actual battery voltage. In the instruction manual it says that when the voltage hits 5.5 volts the battery pack should be recharged. The low battery indicator comes on when the display shows 5.5 volts even though (I presume) the actual voltage is a little higher. When transmitting, the battery voltage can dip significantly and cause the battery low indicator to flash. Is this the time to recharge or should I wait until the battery is low when receiving?

3. I'm using all the battery saving functions and I'm wondering if they really do make a difference.

4. Are there any cheap alternatives to buying Yaesu batteries/chargers for the FT-530?

5. What kind of antenna can I replace the standard one with to improve my transmit (instead of increasing wattage)?

If anyone can answer any of these questions I would be most grateful. If anyone has questions about the FT-530 I would be glad to try to answer them.

Many Thanks,

Paul

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Date: Wed, 17 Aug 1994 13:42:12 GMT

From: news2.near.net!usenet.elf.com!rpi!psinnntp!arrl.org!zlau@yale.arp

Subject: Capacity of Alkaline batteries?

To: ham-equip@ucsd.edu

Gary Morris KK6YB @ignite (garym@alsys.com) wrote:

: Has anyone measured the amp-hour capacity of typical D or AA alkaline  
: batteries? Also, what would be the maximum available current from D or AA  
: alkaline batteries? Actual data or references to books or articles would be  
: very helpful.

You might start off with the battery guidebook available at Radio Shack.

You can also get data from the manufacturers as well, but this is more work for most people. The amp hour rating isn't terribly useful with alkaline

cells--quite a bit of dependence on how you take the power out of the cell.

As a rough guideline, if you aren't taking too much out at once, you can probably get 4 or 5 times the cycle lifetime (except you just get one cycle out of the non-rechargeable ones) out of an alkaline as compared with a Nicad. On the other hand, you typically can only get a tenth or so of the maximum current--Nicads are really good at high current application.

It is important to have a radio designed for alkalines--if you want to make best use of them. Radios like the FT-290 and IC-202 used 9 alkaline cells--you start around 13.5 volts and you toss the cells when they drop below 8 or 9 volts. If your transceiver needs 11 or 12 volts minimum alkalines probably aren't worthwhile. Fortunately, most HTs accomodate such a wide voltage swing as well.

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Zack Lau KH6CP/1                    2 way QRP WAS  
                                     8 States on 10 GHz  
Internet: zlau@arrl.org    10 grids on 2304 MHz

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Date: 16 Aug 1994 20:30:12 GMT  
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!sdd.hp.com!spool.mu.edu!  
agate!kennish@network.ucsd.edu  
Subject: Capacity of Alkaline batteries?  
To: ham-equip@ucsd.edu

In article <Cun30u.Jry@alsys.com>, Gary Morris @ignite <garym@alsys.com> wrote:  
>Has anyone measured the amp-hour capacity of typical D or AA alkaline  
>batteries? Also, what would be the maximum available current from D or AA  
>alkaline batteries? Actual data or references to books or articles would be  
>very helpful.

AA = 2.2 Ah, D = 15.2 Ah

Internal resistance becomes a problem for currents in excess of 750 mA  
for AA and 3 A for D.

>I'm interested in their capacity for use to power emergency radio equipment,  
>such as handheld radios or portable low-power repeaters.

As long as the current drain is not excessive, they are good choices.  
AA Lithium has a very long shelf life and can source 2A, but are expensive.

>They have several advantages over Gel-cells or Nicads for emergency use,  
>long shelf life, and you don't have to charge them in the field and they are  
>readily available at fire camps.

True, and they are cheap.

==ken

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Date: 15 Aug 1994 16:08:58 -0700  
From: nntp.crl.com!crl5.crl.com!not-for-mail@decwrl.dec.com  
Subject: HTX-202 Battery Packs  
To: ham-equip@ucsd.edu

What type of battery packs are compatible with the HTX-202?  
For example, Yaseu?, Alinco?, etc.

Thanks

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Dennis Rice  
NAU Flagstaff

drice@crl.com  
Waiting for call sign.  
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... Energizer Bunny arrested. Charged with battery.

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\* TLX v3.40 \*

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Date: 17 Aug 94 11:13:06 CST  
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!news.cac.psu.edu!  
howland.reston.ans.net!vixen.cso.uiuc.edu!newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!  
engr.uark.edu!news.@ihnp4.ucsd.edu  
Subject: Icom Quick Charger  
To: ham-equip@ucsd.edu

I am looking for the icom drop in charger.. with an adapter to charge a  
bp 160 and 174 battery... if anyone has one around.. drop me a note..

\*\*\*\*\*  
\* Peter Stuckey \*alias KB5WCE\* Internet ---> PMSTUCKEY@UALR.EDU \*  
\* University of Arkansas at Little Rock Biology Undergraduate \*  
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Date: 17 Aug 1994 16:10:05 -0400  
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net  
Subject: INFO ON SONY ICF-SW 100S  
To: ham-equip@ucsd.edu

I AM LOOKING FOR A SMALL RADIO TO USE WHEN TRAVELING. NEEDS TO FIT IN MY BRIEFCASE. I WANT TO LISTEN TO SW BROADCAST AS WELL AS HAM RADIO NETS ON SSB.

DOES ANYONE HAVE ONE OF THESE AND ANY COMMENTS ABOUT THE RADIO FOR THE ABOVE USES WILL BE APPRECIATED.

LARRY      NI4K@AOL.COM

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Date: Wed, 17 Aug 1994 09:01:57  
From: agate!howland.reston.ans.net!gatech!newsxfer.itd.umich.edu!  
zip.eecs.umich.edu!yeshua.marcam.com!charnel.ecst.csuchico.edu!nic-nac.CSU.net!  
gopher.sdsc.edu!news.cerf.net!@@ihnp4.ucsd.edu  
Subject: JRC NRD 525 Receiver Advice  
To: ham-equip@ucsd.edu

I am in the market for a quality HF receiver and have an opportunity to purchase a JRC NRD-525. I would like to know how this receiver compares against receivers like the Icom R71A and Kenwood R5000.

All opinions are appreciated

Bill Power, billp@cerfnet.com

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Date: Thu, 18 Aug 1994 00:19:09 GMT  
From: gsm001!gsmlrn@uunet.uu.net  
Subject: JRC NRD 525 Receiver Advice  
To: ham-equip@ucsd.edu

Bill Power (billp@cerfnet.com) wrote:

: I am in the market for a quality HF receiver and have an opportunity to  
: purchase a JRC NRD-525. I would like to know how this receiver  
: compares against receivers like the Icom R71A and Kenwood R5000.

I have a 535D and had an r5000. For ham band listening the r5000 was great, but IMHO the NRD is significantly better.

I would go for the non "D" model 535 first and then the 525 second.

If you want filters buy the OEM ones as the Japan Radio ones don't seem to have a great slope factor.

73,

Geoff.

--

"I am number six. Others come and others go, but I am always number six."  
(From the movie "Eminent Domain".)

Geoffrey S. Mendelson N30WJ (215) 242-8712 gsm@mendelson.com

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Date: Mon, 15 Aug 1994 22:02:00 GMT  
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!cs.utexas.edu!  
utnut!utcsri!newsflash.concordia.ca!vax2.concordia.ca!drobert@network.ucsd.edu  
Subject: Midland ?  
To: ham-equip@ucsd.edu

Hi all, does anyone have a phone no. or address for this company ?

Thanks de Denis.

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| - . , ; * " : ' ` ~ - , * ` - + / * |
| : . - 1+514.769.7829 H ~ ~ ' . ; ' : " ' ` , |
| ; * ~ 1+514.848.3454 W . * + ' . ~ . * - + , ~ ` |
| " . ci$:71271,2616 ` . , . +. , ' " Space ... + * |
| ` Drobert@Conu2 *~ / , + * . , ; " ' ` ~ , . ~ . , |
| ~ Drobert@Vax2.Concordia.ca , : * ; The Final Frontier. *. |
| " * , 71271.2616@Compuserve.com + , * ~ *, " . + |
| , : ve2ilf@ve2fkb.#MTL.PQ.CAN.NA ` . " , . ' : |
| . - , ` +, ` - . . * . ` - , . ++ ` . ** |
|-----
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Date: 16 Aug 1994 15:13:16 -0500  
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!  
travelers.mail.cornell.edu!news.kei.com!eff!news.duke.edu!convex!cs.utexas.edu!  
chpc.utexas.edu!news.utdallas.edu!@ihnp4.ucsd.edu  
Subject: ROHN HBX32 Tower FOR SALE  
To: ham-equip@ucsd.edu

Hello, I have a Rohn HBX32 tower for sale. This is a 32' self-supporting steel tower. It is in excellent condition and includes all hardware, expect for base stubs. It comes in 4, 8 ft sections, which can be stacked inside one another for easy moving/storage. It is rated for a 10 sq.ft. antenna windload @ 70mph winds.

I'd like to get \$200 for it, or best offer.  
(Texas Towers sells them locally for \$275)

Please email to 'debaker@bnr.ca' or call 214-684-7351 (day)

Regards,

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+-----+
| David E. Baker      Internet: debaker@bnr.ca (Richardson, TX, USA) |
| Callsign: AB5PI      Amateur Packet: AB5PI@N5AUX.#DFW.TX.USA.NA |
| My opinions do not necessarily reflect the opinions of my employer |
+-----+
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Date: Wed, 17 Aug 1994 22:15:59 GMT  
From: telesoft!garym@uunet.uu.net  
Subject: TM742A questions  
To: ham-equip@ucsd.edu

In <32rcso\$fm7@calvin.tccn.com> 52@suzie.tccn.com (Jim S. Henderson) writes:  
>While it was in the shop, I was told that the new processors had some new  
>features - our local dealer had a fax that documented these new features, but  
>when I asked to see it, they couldn't find it.

I would like to see that also.

On another topic, has anyone ever succeeded in controlling the 742A by remote control from another radio? I tried following the instructions in from Kenwood (which I got when someone posted them here on news) but it didn't respond to the commands. It works OK using the remote control instructions in the owners manual, but those only let you remote control it from the microphone (not very useful).

--GaryM

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Gary Morris	Internet: garym@alsys.com (garym@cts.com)
Alsys Inc.	Packet: KK6YB @ N0ARY.#NOCAL.CA.USA.NA
San Diego, CA, USA	Phone: +1 619-457-2700 x128 (voice/fax)

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Date: 16 Aug 1994 19:30:39 GMT  
From: newshub.sdsu.edu!nic-nac.CSU.net!usc!elroy.jpl.nasa.gov!swrinde!gatech!  
newsxfer.itd.umich.edu!europa.eng.gtefsd.com!uhog.mit.edu!news.kei.com!  
yeshua.marcam.com!insosf1.@@ihnp4.ucsd.edu  
Subject: Tucker scopes  
To: ham-equip@ucsd.edu

I've noticed that Tucker seems to have well spec-ed used scopes at fairly good prices. Are there any catches with their equipment / scopes that I should be aware of as a novice tinkerer?

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brendan@clark.net (703) 276-9768 Positive Force D.C./Torque Rec'ds/geek too!  
Chumbawumba| hear the ghosts of everafter-yell of anger-ring of laughter  
DylanThomas|dont go gently into the night-rage against the dying ofthe light

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Date: Wed, 17 Aug 94 07:53:52 PDT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!convex!  
news.duke.edu!MathWorks.Com!news.kei.com!ssd.intel.com!chnews!  
news@network.ucsd.edu  
Subject: Where can I find RG-302 & RG-303 ?  
To: ham-equip@ucsd.edu

Im rebuilding the phaseing delay lines for my KLM amateur satellite yagis and need to located a source to acquire about ten feet of RG-302 75 ohms and ten feet of RG-303 50 ohms, teflon coax cable.

RG-302 & RG-303 both have teflon dielectric and a silvered copper shield, both have inner conductors of silver-plated copper-plated steel. They are designed for high-temperature operation. I suspect they were selected by the antenna manufacturer because of low temperature coefficients. I don't want to use Radio Shack 75 ohm TV cable.

Different velocity factors between teflon and polyethylene.

polyethylene = 66.5%                      teflon = 69%

KLM sells the complete phaseing kit replacements for \$49 each, however I feel I should be able to replace just the coax for at least half that price.

If anyone knows of a source for RG-302 & RG-303, please post here or reply via eMAIL direct.

Thanks and 73s,  
Tom - WB7ASR...                      (not speaking for Intel)

tom\_boza@ccm.hf.intel.com

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End of Ham-Equip Digest V94 #288



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